

Method and apparatus for attaching balance weight to Cardan shaft*Docket #4811*
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Abstract of DE4440812

A system for attaching adhesive backed balance weights to the articulated Cardan shafts of a motor vehicle centres the shaft in a conventional balancing machine (1) via the drive chucks (2) after which the angular position and mass of the necessary weights for dynamic balance are evaluated (3). One or more movable compression heads (4) is/are mounted over the shaft on slide rails and each head also incorporates an abrasive finishing belt for deoxidising/degreasing/smoothing the balance weight locations on the shaft. A further module (5) shears (7) the required length of spooled (6) adhesive strip to form the weight, removes the non-stick backing foil (8) and transfers to the shaft for adhesive bonding under pressure (4).

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